IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant:	Jae Yong BEOM	Conf. No.:	7693
Appln. No.:	09/482,926	Group:	2172
Filed:	January 14, 2000	Examiner:	LY, A.
For:	DEVICE AND METHOD FOR FILTERING ADDED INFORMATION		

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Technology Center 2100

AMENDMENT UNDER 37 C.F.R. § 1.116

MS AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

June 14, 2004 (after PTO closure)

Sir:

In response to the Final Office Action dated March 11, 2004, the following amendments and remarks are submitted in connection with the above-identified application.

This paper contains:

Amendments to the Claims; and

Remarks.

U.S. Appln. No. 09/482,926   *Attorney Docket No. 0465-0658P*
Amendment dated June 14, 2004   *Art Unit: 2172*
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listing, of claims in the application:

<u>Listing of Claims:</u>

1.   (Currently Amended) A device for filtering added information comprising:

a memory for storing table IDs and <u>a memory (M_ver) for storing</u> version numbers of sections for each of the table IDs, a combination of at least one of the sections forming a table which added information defines;

a comparing unit for determining matching of a table ID included in a present section with the table IDs stored in the memory <u>for storing the table</u> <u>IDs</u> upon reception of the present section, and comparing the version number of the matched table ID to the version number of a received section number; and

a section processing unit for receiving and processing the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section,

<u>a size of the memory (M_ver) for storing the version numbers of the</u> <u>sections being equivalent to:</u>

<u>M_ver = N x 8bits x 2 = 16N,</u>

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<u>where N = a number of the table IDs which are version masked in the</u>

<u>version memory (M ver)</u>.

2. (Previously Presented) A device as claimed in claim 1, wherein the section processing unit skips the section received at the present time if it is determined at the comparing unit that no table IDs match, or if the version number stored in the matched table ID is the same as the version number of the received section.

3. (Currently Amended) A device as claimed in claim 1, wherein the section processing unit automatically sets up a version value stored in the <u>version</u> memory with a new version number when a section with a new version is received.

4. (Currently Amended) A device as claimed in claim 1, wherein, if it is determined that the table ID of the section received from the comparing unit presently matches the table ID stored in the memory <u>for storing the table IDs</u>, the section processing unit determines completion of the table of the version processed presently, and mask enables the version number of the section if it is determined that the table is completed.

5. (Original) A device as claimed in claim 4, wherein the section processing unit skips the section received at the present time if the version number of the section received at the present time is mask enabled.

6. (Currently Amended) A method for filtering added information for receiving only required sections using a memory for storing table IDs and a memory (M_ver) for storing version numbers of the sections separate for each of the table IDs, the method comprising the steps of:

(1) upon reception of a present section, determining matching of the table ID included in the present section with the table IDs stored in the memory for storing table IDs;

(2) if it is determined in the step (1) that the table IDs match, determining whether the version number included in the received section is the same as the version number stored in a the version memory of the table ID; and

(3) if it is determined in the step (2) that the two version numbers are not the same, receiving and processing the present section,

a size of the memory (M_ver) for storing the version numbers of the sections being equivalent to:

M_ver = N x 8bits x 2 = 16N,

where N = a number of the table IDs which are version masked in the version memory (M_ver).

7.   (Previously Presented) A method as claimed in claim 6, further comprising the step of (4) skipping the section received at the present time if it is determined in the step (1) that there are no table IDs matched, or if it is determined in the step (2) that the two version numbers are the same.

8.   (Original) A method as claimed in claim 7, wherein the step of skipping the section is caused when the version number of the section received at the present time is mask enabled.

9.   (Currently Amended) A method as claimed in claim 6, further comprising the steps of:

(5) determining completion of the table of the version processed at the present time, if it is determined in the step (1) that the table ID of the section received at the present time and any one of the table IDs stored in the memory for storing the table IDs match each other; and

(6) mask enabling the version number of the present section if it is determined in the (5) step that the table is completed.

10. (Currently Amended) A method as claimed in claim 6, where the step (1) further includes the step of determining starting of the received section with reference to a pointer field if a payload_syntax_indicator is '1' in a transport

packet before the step of determining matching of the table ID included in the

section and the table IDs stored in the memory for storing the table IDs.

11. (Currently Amended) A method as claimed in claim 6, wherein the

step (1) further includes the step of determining starting of another section if

the next data is not 0xFF after the present section comes to an end before the

step of determining matching of the table ID included in the section and the

table IDs stored in the memory for storing the table IDs.

12. (Previously Presented) A method as claimed in claim 6, wherein the

step (3) further includes the step of automatically updating a version value

stored in the version memory with a new version number upon reception of a

section having the new version.

13. (Previously Presented) A device as claimed in claim 1, wherein the

section processing unit stores the present section if it is determined that the

version number stored in the matched table ID is not the same as the version

number of the present section.

14. (Previously Presented) A method as claimed in claim 6, wherein the

step (3) includes the step of storing the present section if it is determined in the

step (2) that the two version numbers are not the same.

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15. (Currently Amended) A device for filtering added information comprising:

first means for storing table IDs and version numbers of sections for each of the table IDs, a combination of at least one of the sections forming a table which added information defines;

second means for determining matching of a table ID included in a present section with the table IDs stored in the first means upon reception of the present section, and comparing the version number of the matched table ID to the version number of a received section number; and

third means for receiving and processing the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section,

wherein the first means for storing the table IDs and the version numbers of the sections for each of the table IDs includes a version memory (M_ver) for storing the version numbers of the sections, and

wherein a size of the version memory (M_ver) is equivalent to:

M_ver = N x 8bits x 2 = 16N,

where N = a number of the table IDs which are version masked in the version memory (M_ver).

16. (Previously Presented) A device as claimed in claim 15, wherein the third means skips the section received at the present time if it is determined at

the second means that no table IDs match, or if the version number stored in the matched table ID is the same as the version number of the received section.

17. (Previously Presented) A device as claimed in claim 15, wherein the third means automatically sets up a version value stored in the first means with a new version number when a section with a new version is received.

18. (Previously Presented) A device as claimed in claim 15, wherein, if it is determined that the table ID of the section received from the second means presently matches the table ID stored in the first means, the third means determines completion of the table of the version processed presently, and mask enables the version number of the section if it is determined that the table is completed.

19. (Previously Presented) A device as claimed in claim 18, wherein the third means skips the section received at the present time if the version number of the section received at the present time is mask enabled.

20. (Previously Presented) A device as claimed in claim 15, wherein the third means stores the present section if it is determined that the version number stored in the matched table ID is not the same as the version number of the present section.
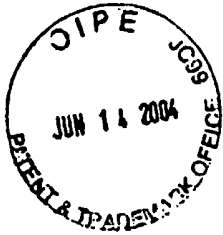
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